### PATENT COOPERATION TREATY

From the NTERNATIONAL SEARCHING AUTHORITY	· in			
To:	PCT Property			
	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
	(PCT Rule 43bis.1)			
*	Date of mailing (day/month/year)			
Applicant's or agent's file reference	FOR FURTHER ACTION			
PHDE030431WO	See paragraph 2 below			
International application No. International filing date PCT/IB2004/051323 29.07.2004				
International Patent Classification (IPC) or both national classification a	and IPC			
·				
Applicant				
KONINKLIJKE PHILIPS ELECTRONICS	N. V.			
This opinion contains indications relating to the following iter	ms:			
Box No. I Basis of the opinion				
Box No. II Priority	regard to novelty, inventive step and industrial applicability			
	regard to hoverty, threative step and moustiful approximation			
Box No. IV Lack of unity of invention				
Box No. V Reasoned statement under Rule 43.6 applicability; citations and explanat	Box No. V  Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
Box No. VI Certain documents cited				
Box No. VII Certain defects in the international	application			
Box No. VIII Certain observations on the internal	Box No. VIII Certain observations on the international application			
2. FURTHER ACTION				
If a demand for international preliminary examination is International Preliminary Examining Authority ("IPEA") ex- than this one to be the IPEA and the chosen IPEA has notif this International Searching Authority will not be so consider	made, this opinion will be considered to be a written opinion of the cept that this does not apply where the applicant chooses an Authority other ied the International Bureau under Rule 66.1 bis(b) that written opinions of red.			
reas and the second ded should considered to be a yer	itten opinion of the IPEA, the applicant is invited to submit to the IPEA a its, before the expiration of 3 months from the date of mailing of Form			
For further options, see Form PCT/ISA/220.				
3. For further details, see notes to Form PCT/ISA/220.				
Name and mailing address of the ISA/EP	Authorized officer			
Facsimile No.	Telephone No.			

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Bo	c No. I	Basis of this opinion
1.	With filed	regard to the language, this opinion has been established on the basis of the international application in the language in which it was , unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language
		, which is the language of a translation furnished for the purposes of international search (under
		Rule 12.3 and 23.1(b)).
2.	With inve	n regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed intion, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		in written format
		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
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3.	Ш	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Add	litional comments:
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Box	No. V Reasoned statement citations and expla	t under Ru nations sup	ile 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicab oporting such statement	ility;
ı.	Statement			
	Novelty (N)	Claims	4, 7, 9, 13-15, 16, 18, 19	YES
		Claims	1, 2, 3, 5, 6, 8, 10-12, 17	NO
	Inventive step (IS)	Claims	4, 7, 9, 13-15, 16, 18, 19	YES
		Claims		·NO
	Industrial applicability (IA)	Claims	1-19	YES
		Claims	<u> </u>	NO

#### 2. Citations and explanations:

Reference is made to the following document:

- D1: US 6 576 917 B1 (SILFVAST WILLIAM T) 10 June 2003 (2003-06-10)
- D2: US-A-6 031 241 (SILFVAST *ET AL*) 29 February 2000 (2000-02-29)
- 2 INDEPENDENT CLAIM 1

#### 2.1

The present application does not meet the requirements of PCT Article 33(1), because the subject matter of claim 1 is not novel within the meaning of PCT Article 33(2). Document D1 discloses (the references in parentheses relate to said document):

A gas discharge source for generating EUV radiation, in which a gas-filled electrode interspace (the capillary) is located between two electrodes (10, 30), in which there are devices for admitting (5) and pumping out (implicit in view of "low pressure region") gas, and in which an electrode (30) has an opening which defines an axis of symmetry and is intended for the emergence of

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Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

radiation, a diaphragm (52), which has at least one opening on the axis of symmetry and acts as a differential pumping stage being present between the two electrodes.

3 DEPENDENT CLAIMS 2, 3, 5, 6, 8, 10-12, 17

Claims 2, 3, 5, 6, 8, 10-12, 17 do not contain any features which, in combination with the features of any claim to which they refer back, meet the PCT requirements for novelty and inventive step.

The term "in particular for generating...", in view of the expression "in particular", does not have any restricting effect, since it has to be interpreted as meaning that the following text is optional.

However, the description only discloses sources for EUV and/or soft X-radiation, and consequently the expression "in particular" should be deleted.

The disclosure of D1 which is prejudicial to novelty appears to relate to a configuration which deviates from that of the invention.

Based on the available prior art, incorporating the additional feature of claim 9 in claim 1 would appear to make the subject matter of the latter novel and inventive (PCT Article 33(2), (3)), since the capillary in D1 has a diameter of less than 3 mm (cf. document D2, column 3, lines 19-21; D1 refers to D2 with regard to the capillary).

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The following	g observations on the clarity	of the claims, description, and drawings or on the question whether the claims are fully supported by
	supplemental	sheet
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